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EX-DANUBE RIVER PUSHERS – 1.800 HP

Technical data

Year of construction / place : 1990/ Romania

Building classification society :

- Roman Naval Register RSR - Imported equipment certified by recognized classification societies
- Rules of Danube River Commission in the 1970 edition RSR

General characteristics :

Max. length : 33,40 m

Max. breadth- : 11,00 m

Depth : 2,80 m

Max /Min Draft : 1,43 /1.70 m

Max.air Draft : 10.6 mts (Hydraulic lifting of the wheelhouse)

Min. air Draft : 7.6 mts (Hydraulic lifting of the wheelhouse)

Max displacement : 428 ton

General Capacities :

Autonomy : 150 hours (at 12 km/hour, tested with pushing 6 barges of 1500 tons (9.000 tons)

Diesel Oil Capacity : 93 m3

Lub Oil Capacity : 7 m3

Fresh Water Capacity : 16 m3





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Propulsion :

Type of engines	: 2 x 6R 251 FMA – ALCO (USA) Build under Romanian License- Resita Factory
Power	: 2 x 890HP / 720 rpm
Transmission	: reverse reduction – RENK (Germ)- Resita Factory
Propellers	: 2 x FBP
Generators	: 2 x 70 kVA + 1 x 35 kVA
TTE	: No tested with dynamometer available (tons of static traction)

Wheel house Equipment :

Communications : - VHF Only available under requirements.

- Communication Bridge to engine room, fixed installation
- Walkie Talkie Only available under requirements.
- Communication rudders bridge room, Same as above
- Navigation equipment not
-

Eco sound meter : 1 Ecosond Furuno LS 4100 , and 2 transducers installed on the hull

Radar : Only available under requirements. At least no equipment installed

Propellers	: 2 x FBP
Generators	: 2 x 70 kVA + 1 x 35 kVA
TTE	: No tested with dynamometer available (tons of static traction)





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Current Ship Documents :

- Flag: Romanian
- National Certificate of Ship
- Romanian Naval Authority Technical Certificate

Dos equipos VHF, uno para maniobra y otro para comunicación con autoridades,

- Comunicación puente con sala de máquinas, esto puede ser instalación fija o por intermedio de Walkie

- Comunicación puente con sala de timones, idem anterior

- Por lo menos tres Walkie

- Opcionalmente, la mayoría de los remolcadores poseen a bordo un sistema de comunicación por escrita utilizado para enviar instrucciones de operación y recepción de novedades de a bordo.

- Además la PNA, si bien no es un equipo de comunicación, sino de navegacion, exige el equipo AIS para la ubicación satelital de las embarcaciones en aguas argentinas.

Equipos de Navegacion;

- Dos radares
- Un compás magnetico
- Un barómetro
- Un GPS
- Dos sondas ecoica
- Un binocular

Communication Bridge to engine room, this can be fixed installation or through Walkie

- Communication rudders bridge room, Same as above

Navigation equipment;

- Two radar
- A magnetic compass
- A barometer
- A GPS
- Two probes echoic
- A binocular





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New Class Documents, and Flag to be delivered at Uruguay river Port

- Panama Flag before departure from Europe , on a Heavy Lift Cargo Ship.
- Cessation of Panama Flag, immediately available with Bill of Sale
- RINA Class in process of certification as River Pusher
- Dry Dock will be done in Romania before arrive Uruguay
  - RINA Inspection
  - Change of Zinc Anodes
  - Ultrasonic thickness measures as RINA Requirements
  - complete set of blueprints of the ship
  - Complete test of machines to be done in Romania before leaving
  - Assistance of an Romanian Chief Engineer before to be delivery.

